

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-028457**Date Inspected:** 18-Sep-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 600**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1430**Contractor:** American Bridge Manufacturing**Location:** Reedsport, OR**CWI Name:** Jim Vanek**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Hinge A Restraint Brackets**Summary of Items Observed:**

This Quality Assurance Inspector (QAI), Dan Chang, performed a verification magnetic particle test (MT) on six restraint brackets (10% of total) piece-marked as: X01B-1, X01B-3, X01B-5, X01B-6, X01B-7, and X01B-8. The fillet welds of restraint brackets were tested by magnetic particle utilizing a yoke with dry red powder for visual contrast. The fillet welds appeared to be in general conformance with the contract documents at the time of review.

It was noted that Welding Quality Control Inspector (QCI), Harry Woodward, of American Bridge Manufacturing (ABM) had previously performed magnetic particle tests on all 32 restraint brackets. Please refer to 04-0120F4_TL6028_B344_9-18-12_Reedsport report for more information.



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Summary of Conversations:

No conversation regarding MT testing by this QAI.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas, 916-764-6027, who represents the Office of Structural Materials for your project.

Inspected By:	Chang,Dan	Quality Assurance Inspector
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Reviewed By:	Riley,Ken	QA Reviewer
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